

L 63248-65

ACCESSION NR: AT5013044

600 va. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 17Nov64

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: DP, IE

acym
Card 3/3

SOV/136-58-6-5/21

AUTHORS: Rabinovich, B.V. and Sevumyan, Yu.R.

TITLE: Automatic Regulation of the Current to the Electrolytic Line in the Aluminium and Zinc Industry (Avtomaticheskoye regulirovaniye toka serii elektroliza v alyuminiyevoy i tsinkovoy promyshlennosti)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 6, pp 30 - 33 (USSR)

ABSTRACT: It is difficult to control manually the current strength to aluminium and especially zinc electrolyzers to the 1-2% accuracy desirable. The KB Tsvetmetavtomatika have developed two types of regulator; type ARTS-1010 automatic current-regulator for the line and an individual current regulator, type ARTV-1005m, for the mercury rectifier. In the ARTS-1010 (Figures 1 and 2), the transducer of the current is a direct-current measuring transformer which gives a signal proportional to the line current to a unit where it is compared with the desired value current. The out-of-balance signal is amplified and affects three phase-shift chokes in series with the phases of the circuit transformers of all the mercury rectifiers of the line. The other regulator is the same

Card 1/2

SOV/136-58-6-5/21

Automatic Regulation of the Current to the Electrolytic Line in the
Aluminium and Zinc Industry

in principle except that the current transducer is a measuring shunt in the cathode circuit of the mercury rectifier. The regulators described have been adopted at the "Elektrotsink" Works and on several lines at the Bogoslovskiy and Sumgaitskiy Works, where they secure current constancy to $\pm 1\%$ (typical traces of current strength) for manual and automatic regulation - aluminium (Figure 3) and zinc (Figure 4). The authors suggest that the regulators should find wide industrial application. There are 4 figures.

ASSOCIATION: KB Tsvetmetavtomatika

Card 2/2

ANTIPENKOV, V.P.; RABINOVICH, B.V.; SEVUMYAN, Yu.R.

Using multiplying circuits for automatic determination of the
content of solids in dressing products. Sbor.mat.po avtom.
proizv.prots.i disp. no.5:34-42 '60. (MIRA 14:4)

1. Konstruktorskoye byuro "TSvetmetavtomatika."
(Electric calculating machines)

SEVUNYAN, YU. R.

10

UR/0000/64/001/000/0153/0159
 ACCESSION NR: AT5009811
 AUTHOR: Antipenkov, V.P. (Moscow); Ioannisyants, V.V. (Moscow); Gorokhovskiy, L.T. (Moscow); Mol't, L.I. (Moscow); Rabinovich, E. V. (Moscow); Sevunyan, Yu. R. (Moscow)
 TITLE: Contactless elements with glow-discharge cold-cathode tubes.
 SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskomu kontrolyu i metodam elektricheskikh izmereniy. 4th, Novosibirsk, 1962. Avtomaticheskii kontrol' i metody elektricheskikh izmereniy; trudy konferentsii, t. 1; Metody elektricheskikh izmereniy. Tsifrovyye izmeritel'nyye pribory. Elementy izmeritel'nykh sistem (Automatic control and electrical measuring techniques; transactions of the conference, v. 1: Electrical measuring techniques. Digital measuring instruments. Elements of measurement systems). Novosibirsk, Redizdat Sib. otd. AN SSSR, 1954, 153-159
 TOPIC TAGS: contactless trigger, contactless amplifier, contactless shaper, contactless ring circuit
 ABSTRACT: The development of a number of contactless elements (trigger, amplifier, pulse shaper, ring circuit, counter) based on the Soviet-made gas-discharge cold-cathode TkhZE tubes is reported. The elements can operate at frequencies up to a few kc and, with some special provisions, up to a few dozen kc. Designed with Cord 1/2

ACCESSION NR: AT5009811

the above elements, these logical circuits are very briefly described: AND, NOT, NOR, OR. They are operable at an anode-voltage variation of $\pm 10\%$ and bias variation of $\pm 1\%$. The above elements and circuits were used in a supervisory-control system installed at an aluminum plant; the system employs about 2500 cold-cathode tubes. Various units (some contain up to 400 tubes) tested under laboratory and industrial conditions proved to be reliable in operation. Orig. art. has: 6 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 25Sep64

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: DP, EC

Card 2/2

SEVUSHKIN, I., inzh.

E.E. Riabenko's automat. Prom.koop. 13 no.2:13 F '59. (MIRA 12:4)

1. Proizvodstvennyy otдел kraypromsoveta, g. Krasnodar.
(Krasnodar--Building materials) (Riabenko, E.E.)

EDEL'MAN, Z.I.; SEVVATIMSKAYA, N.P., red.; BALDINA, N.F., tekhn.
red.

[Rheumatism in children; its clinical aspects, diagnosis and
treatment] Revmatizm u detei; klinika, diagnostika i lechenie.
Moskva, Medgiz, 1962. 214 p. (MIRA 15:9)
(RHEUMATIC FEVER)

SEV'YANTS, L. A.

Dissertation defended for the degree of Candidate of Historical Sciences in the
Institute of History

"Formation of the Turkmen Soviet Socialist Republic and Its First Constitution
(1924-1927)."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

GLIKMAN, S.A.; KORCHAGINA, Ye.P.; SEV'YANTS, L.L.

Studies of the molecular interaction in solutions of polymers by
their conversion to colloidal systems. Vysokom.soed. 3 no.3:
353-358 Mr '61. (MIRA 14:6)

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskogo
(Polymers) (Molecular association)

Country : POLAND *SEWER-Lewandowska, E.* H-173
 Category : Chemical Technology. Food Industry
 Abs. Jour : Ref Zhur-Khimiya, No 14, 1959, No 51519
 Author : Sewer-Lewandowska, E.
 Institute : -
 Title : Organoleptic Determination of the Apple Juice
 Quality
 Orig Pub. : Przetwor. owoc.-warst. i koncent., 1958, 2,
 No 4, 130-132
 Abstract : In the organoleptic determination of color
 and taste of the transparent apple juice, the
 control solutions were used: colored-prepared
 from fruits with the aid of Purfrich colorime-
 ter, and for taste--solutions containing (in
 %) : 0.1, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40,
 0.45, and 0.50 of citric acid.-- Z. Fabinskiy
 Card: 1/1
 H-173

SEWERYN, Lukasz; SAMSONOWICZ, Jadwiga; MALOLEPSZY, Jozef

A case of the "double" aorta following spontaneous cure of a dissecting aneurysm. Pat. Pol. 12 no. 5:337-345 '61.

1. Z Kliniki Nefrologicznej Kierownik: prof. dr Z. Wiktor Z Zakladu Anatomii Patologicznej AM we Wroclawiu Kierownik: prof. dr Z. Albert.

(AORTIC ANEURYSM pathol)

STRENN, TABL 32

"Izby wiejskie i war. staty przeryslu ludowego w Museum Etnograficznym w Krakowie; przewodnik. Krakow (Museum Etnograficzne) 1952. 14p. (Interiors of peasant cottages and peasant arts and crafts workshops in the Ethnographic Museum in Krakow; a guide-book. English, French, German, and Russian summaries. illus.)"

SO: East European Accessions List, Vol 3, No 8, Aug 1954

SEWERYN Z.
A

The formation of barrier anodes of aluminum K. Gumitiski and Z. Seweryn (Jagellonian Univ., Krakow, Poland). *Bull. intern. acad. polon. sci., Classe sci. math. et nat.* 1949A, 91-9 (in English).—Anodes were formed in a soln. of $H_2C_2O_4$ of the following concns.: 1 N, 0.1 N, 0.01 N with currents of 80 ma., 30 ma., and 10 ma. The surface of the Al plates used as anodes was 5.4 sq. cm. The process of soln. of the barrier layer which is responsible for the formation of thick layers, causes an increase of current. After some time the ion conduction becomes sufficient to balance the soln. process. Thin layers formed in dil. solns. have a more cryst. structure, while thick layers tend to be amorphous and less coherent structure.
E. F. Stevenson

seweryn, ZOFIA

✓ 11189* (Polish.) Analysis of Some Magnesium and Copper Casting Alloys With the Aid of Instrumental Methods. Analiza niektórych odlewanych stopów magnezu i miedzi metodami instrumentalnymi. Zofia Seweryn and Zygmunt Dolinski. Prace Instytutu Odlewnictwa, v. 5, no. 2755, 1983, p. 66-79.

27

27

Polarographic method of determining Zn and Cu in Mg alloys.

Potentiometric titration method for Zn and Al in Mg alloys, and for Zn, Pb, and Mn in Cu alloys.

fra 0078

SEWERYN, Zofia,

New photometric methods of determining aluminum in iron alloys. Prace inst odlew 12 no. 3: 245-261 '62 [publ. '64].

1. Laboratory of Cast Iron, Institute of Casting, Katowice.

P/047/62/013/006/001/003
D207/D303

AUTHORS: Smoleński, Dionizy and Seweryniak, Mieczysław
TITLE: Flame-temperature measurement by the spectral-line reversal method

PERIODICAL: Postępy Fizyki, v. 13, no. 6, 1962, 657-664

TEXT: The article reviews Western and Soviet literature for the period up to 1960. The following subjects are discussed: theory of the method; isothermal and equilibrium conditions in flames; resonance-line contours and non-isothermal conditions in flames; classical apparatus; photographic and electrical recording; recording of resonance-line contours in general; apparatus using a photomultiplier and an optical wedge; apparatus with rotating sectors; apparatus for the study of rapidly changing processes; reversal temperature and theoretical temperature. There are 22 figures and 4 tables.

ASSOCIATION: Zakład Technologii Związków Azotowych II Politechniki Wrocławskiej (Department of the Technology of Nitrogen Compounds, Wrocław Polytechnic)

Card 1/1

24

5

Sintering of Iron Ores. Part I—The Theoretical Basis of the Sintering Process. W. Madej and B. Hewerynski. (*Prace Badawcze Glownego Inst. Met.*, 1951, 8, No. 3, 351-359). [In Polish]. Properties influencing the suitability of ore fines for sintering and the preparation of sinter mixes, particularly in respect of fuel and water additions are discussed. The order and interdependence of chemical reactions and physical changes and the problems of porosity and strength of sinters are considered. As to the mineralogical composition of sinters, a description of minerals encountered is given and the problem of micro- and macroporosity is discussed. An attempt at a mathematical assessment of sinter plant efficiency is made.

SEWERYŃSKI, Bogusław (Engineer)

"Spiekanie rud zelaza - rozwoj w ostatnich latach oraz wyniki prac wlasnych" (Baking of Iron Ores - Development in Recent Years and "results of Our Own Experiences). Article published in P. Hutnik (The Metallurgist), No. 7-8, 1952, page: 260-267.

SO: Wiadomosci Hutnicze (Metallurgical News), No. 3

SEWERYNSKI, B.

3

Sintering of Pelletized Iron Ore. Z. Krockiewicz and B. Sewerynski. (*Biuletyn Informacyjny Instytutu Mineralogii i Hutnictwa*, 1953, 4, (8), 20-32; *Hutnik*, 1953, 20, (8)). [In Polish]. The mechanism of sintering iron ore pellets is discussed and the main types of furnace used are reviewed. A description of an experimental circular tunnel furnace with a rotating hearth, designed by the Polish Institute of Metallurgy, for the ignition of 1½ ton/hr. of pellets is briefly described.—v. o.

SEWERYNSKI, B.

"The Application of Silicon Carbides as a Method for the Increased Efficiency of Foundry Furnaces" p. 20 (Wiadomosci Hutnicze, Vol. 9, No. 6, June, 1953, Stalinogrod)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February, 1954, Uncl.

SEWERYNSKI, E.

Krotkiewski, Z.; Sewerynski, E.

"Hardening Iron Ore Clods By Burning." Biuletyn. p. 29 (Hutnik, Vol. 20, No. 8, Aug. 1953, Katowice)

SO: Monthly List of EastEuropean Accessions. Vol. 3, No. 6, Library of Congress, June, 1954, Uncl.

Seweryński, B.

1088

622.611.1:622.702.5

Seweryński B. Self-Fluxing Sinters.

„Spieki samotopliwe z rudy żelaza”. (Prace Inst. Min. Hutn. No. 2).
Stalinskoed. 1954. Wydawn. Gór.-Hutn., 85 pp., 9 figs.

A definition of self-fluxing sinters and the development of this conception. Analysis of various admixtures introducing lime into the sintered blends shows that the best results are obtained by adding burned lime. The considerable permeability of the blend requires that the sintering process should be carried out with a thick layer of the self-fluxing sinter. Water cooling diminishes strength properties to a greater degree than is shown by ordinary sinters. Self-fluxing sinters are readily affected by atmospheric conditions. The strength properties of self-fluxing sinters depend, to a large extent, on the quantity of such slag generating constituents as CaO , MgO , SiO_2 and Al_2O_3 present in the sinter.

*Not
true*

SEWERYŃSKI, B.

(2)

The roasting of carbonaceous shales in an ore-finishing plant. B. Seweryński. *Prace Inst. Mineralogii Hutnic.* 1, 322-8 (1954) (English summary).—A product of desired characteristics was obtained (relative porosity under 10% and roasting losses less than 1.5%). Roasting should be done in vacuum under 350 mm. H₂O. Moisture in shale and small particle size increased the porosity of the finished product (desired particle size range is from 0 to 2 mm.). Leaning agent (roasted shale) was admixed before roasting when C in shale was high (3.87%). Best results were obtained with 25% of the leaning agent added. R. S. I.

SEWERYNSKI, B.

14884* (Self-Fluxing Sinters of Iron Ore.) Spieki samotopliwe z rud zelaza. B. Sewerynski. *Prace Instytutu Ministerstwa Hutnictwa*, v. 6, no. 2, 1954, p. 83-89. Additions of burned lime produced best results. Strength properties depend on quality of slag generating constituents. Diagrams, tables, charts. 11 ref.

SEWERYNSKI, B.

3

Roasting of carbonaceous shale in an ore sintering plant. B. Seweryński (*Prace Inst. Minist. Hutnic.*, 1954, 6, 322—328).
Roasting of carbonaceous (3.87%C) shale, used in production of refractories (*Prace Inst. Metal.*, 1952, 4, 243—260), in a sintering box is described. The desired properties of the products are: relative porosity <16%, ignition losses <1.5%. Influence of the induced draught, addition of water, thickness of the shale layer on the grate, and the particle size, on the properties of the product is examined.
S. K. LACHOWICZ.

1954, 1955

The process of collectivization. . . 79

1954 vol. 1, no. 3, Mar. 1954

101and

no. 1954 vol. 5, no. 10 Oct. 1956

SEWERYNSKI, B.

POLAND

"Hardening Processes of Iron Ore Pellets," by B. SEWERYNSKI and T. WLAZINSKA;
Prace Instytutu Ministerstwa Hutnictwa, Gliwice, No. 1, 1955.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548220012-6"

SEWERYNSKI, B.

POLAND

"Agglomeration of Iron Ores," by Z. KROTKIEWSKI and B. SEVERYNSKI; Prace Instytutow Ministerstwa Hutnictwa, Gliwice, Nos. 2-4, 1955.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548220012-6"

Sewerynski, B.

Ore-pelletizing process. B. Sewerynski and T. Wlazinski (Inst. Met., Niechajnych, Poland). *Proc. Inst. Min. Metall. 7, 24-0(1966)* (English summary).—The theories of the ore-pelletizing process as given by Pirh (C.A. 41, 1197a) and recently by Hamoni and Tierschold (C.A. 46, 3921f) are slightly modified by the authors. The new observations were made on pelletizing fine-grained magnetite (I) and hematite ore (II) pyrite cinders (III) and blast-furnace dust (IV) by revolving the wet material in a drum until it forms small balls (pellets). The particle size was as follows: I <0.5, II <1, III <0.1, and IV <1 mm. II contained a great amt. of colloidal Fe oxides. III contained particles resembling space debris which greatly obstructed the immediate contact between the particles. IV was composed of II, III, limestone dust, and small particles of coke. The authors found that in the relation between the strength of pellets and the size of the original particles (as derived by the previous authors) a factor characterizing the shape of the particles has to be introduced. They think that there is a definite relation between the specific surface shape of particles, and the strength of pellets. It was found that an addn. of different colloidal substances (e.g., Ca(OH)_2) increases the strength of the pellets. The addn. of Ca(OH)_2 to III and IV, enabled their proper pelletizing. F. J. Hendel

MG

①

SEWERYNSKI, B.

✓ Hardening Ore Pellets. B. Sewerynski and T. Wlazinska.
(Prace Inst. Metalurgicznego Huty Katowice, 1968, 7, (1), 30-34); [in
Polish]. Methods of firing ore pellets, processes taking place
during firing, and the structure of fired pellets are described. MG

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limit

SEWERYNSKI, B.

V Agglomeration of iron ores. Z. Krotkiewski and B. Sewerynski
(Prace Inst. Miniat. Hutn., 1955, 7, 101-105).—A review of the
results obtained in the fields of agglomeration and pelletising pro-
cesses of ore fines suitable for native ores is described, incorporating
a description of technique of production of self-hardening pellets
which do not require firing. (19 references.) S. Kadr.

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SEWERYNSKI, B.:

Some remarks on self fluxing sinters.

By B. Sewerynski ...

Hutnik, #10, Oct 55, pp.349-392 & Appen.

SEWERYNSKI, B.

A few remarks on sintered metals. p. 375

HUTNIK, Vol. 22, No. 10 October, 1955

(Panstwow3 Wydawnictwa Techniczne) Katowice

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 Jan. 1956

SEWERYŃSKI, B.

Spiekanie rud zelaza (Sintering of iron ores), by B. Seweryński.
Reported in New Books, (Nowe Książki), No. 6, March 15, 1956.

Distr: 4E2c

5
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7
Removal of tin from tungsten concentrates. B. Seweryński, T. Wlazńska, J. Wojtas, and H. Wójtowiec. *Rudy i Metale Niezelazne* 3, 57-60(1958).—A concentrate averaging WO, 68.24, FeO 17.47, MnO 8.04, SiO₂ 2.47, Sn 1.12, S 0.052, and As 0.15% was detained in a lab. semirotatory pipe kiln. Internal diam. of pipe and length of the heated part of the kiln, which was inclined at an angle of 10°, were 45 and 300 mm. W concentrates were roasted at 1000 and at 900° for 30-60 min. without reductant or with 5 or 10% addn. of powdered coke (1-5 mm.). Satisfactory results were obtained with 10% coke at 900° for 1 hr.; about 85% of the Sn was removed. Tests were made on a rotatory kiln 4000 mm. long and 350 mm. in diam., rotating at 1 r.p.m. and inclined at an angle of 2°. The kiln was heated with gas. The concentrate without pretreatment was supplied at rates of 16, 40, and 60 kg./hr. Temp. and amts. of coke added were, resp., 900° and 5 and 10%. For 5% coke added at a rate of 16 and 40 kg./hr., max. removal of Sn from the concentrate was up to 57 and 26%. For 10% coke and rates of 16, 40, and 60 kg./hr., 91, 80, and 53% Sn, resp., were removed. Content of Sn was reduced from 1.12 to 0.15%. In final tests run with 10% coke at 45 kg./hr. and at 900°, 88% of Sn was removed. Over-all material balance of W and Sn in the final operation is given. Z. Kurtyka

i/c

Distr: 4E2c

✓ Developments in the construction of furnaces for ore
roasting and sintering. Bogusław Seweryński. *Wiado-
mości Hutnicze* 14, 214-17(1958).—A review. 17 references.
Z. Kurtyka

B5

4/1

3
1

GLOWACZ, Kazimierz, inz.; SEWERYNSKI, Boguslaw, dr., inz.

Nonferrous metal ore mining in Yugoslavia. Pt. 2. Rudy i metale 6
no.11:500-506 '61.

(Yugoslavia---Nonferrous metals)

GLOWACZ, Kazimierz, inz.; KLUSZCZYNSKI, Aleksander, mgr., inz.; SEWERYNSKI,
Bogusław, dr., inz.

Mining of nonferrous ores in Yugoslavia. Pt.3. Rudy i metale
6 no.12:551-559 D '61.

ADAMICZKA, Jerzy, doc.mgr.; SEWERYNSKI, Boguslaw, dr inz.; WLAZINSKA,
Teodozja, mgr inz.; WOJTAS, Jan, inz.

Technology of sintering zinc ashes from induction furnaces.
Rudy i metale 7 no.9:397-400 S '62.

SEWERYNSKI, Boguslaw

Management of flotation waste material and possibilities of its utilization as based on industrial practice during recent years. Problemy proj. hut maszyn 12 no.9:282-285 S '64

1. Bipromet, Katowice.

SEWERYNSKI, Boguslaw, dr. inz.; WLAZINSKI, Teodozja, mgr. inz.; WILKAS,
Jan, inz.; WEISS, Pawel, mgr. inz.; KORYCHINSKI, To galew, mgr. inz.

Tests in drying coal flotation concentrates by infrared radiation.
Przegl gorn 20 no.11:563-566 N '64.

SIWERYNSKI, M.

Approximate coupled integral equations for partial K^+ — N
scattering amplitudes. Acta physica Pol 24 no.2:255-267
amplitudes.

1. Institute for Nuclear Research, Warsaw.

SMOLENSKI, Dionizy, prof. dr inz.; SEWERYNIAK, Mieczyslaw, mgr inz.

Measurement of the flame temperature variability during a given time by the method of spectral line deviation with photographic recording. Gosp paliw 11 no.3:96-99 Mr '63.

1. Zaklad Technologii Zwiaskow Azotowych II, Politechnika, Wroclaw.

SEWOWSKI, S.

(HORYZONTY TECHNIKI, Vol. 6, No. 10, Oct. 1953, Warszawa, Poland)

"Filip Water." p. 440

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

ROKA, Pal; FOLDESI, Erno (Gyor); RIEPERGER, Laszlo; SEY, Dezso
(Gyor); BALAZS, Jozsef (Debrecen); GROSZ, Istvan (Szekesfehervar);
DANI, Janos (Szeged); BODOGH, Istvan; DALCOSA, Gabor, dr.;
LAZAR, Laszlo; BAKOS, Karoly, fomernok (Budapest); FABIAN,
Laszlo, nyugdijas mernok; SZEP, Jozsef

Report on the Executive Committee session of the Scientific
Association of the Wood Industry in Gyor. Faipar 14 no.6:
161-163 Je '64.

1. President, Scientific Association of the Wood Industry
(for Roka).
2. Deputy Head, Wood industry Research Institute (for Dalocsa).
3. Head, Committee on Education, Scientific Association of
the Wood Industry (for Lazar).

CHEMEKOV, Yu.F.; SEY, I.I.; SEDOVA, M.A.; BURILINA, L.V.

Stratigraphy of incoherent sediments in the Amur-Zeya Depression.
Sov. geol. 3 no.2:17-38 F '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.
(Amur Valley--Geology, Stratigraphic)

KHUDOLEY, K.M.; SEY, I.I.; SIBIRYAKOVA, L.V.

Basic features of the Jurassic stratigraphy of the Soviet Far
East. Geol. i geofiz. no.6:15-30 '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut,
Leningrad.

(Soviet Far East--Geology, Stratigraphic)

ZAMORUYEV, V.V.; SEY, I.I.

Ancient glaciation of the Upper Zeya Depression and the
Tukuringa-Dzhagda Ridge. Izv. AN SSSR. Ser. geog. no.6:76-
80 N-D '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii
institut (VSEGEI).

SEYANINOV, G. T.

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P.; BUCHINSKIY, I.Ye.;
SEYANINOV, G.T., professor; BOSHNO, L.V.; ALISOV, B.P.; BIRYUKOV,
N.N.; GAL'TSOV, A.P.; GRIGOR'YEV, A.A., akademik; BYGENSEN, M.S.,
professor; MURETOV, N.S.; KHROMOV, S.P.; BOGDANOV, P.N.; LEBEDEV,
A.N.; SOKOLOV, V.N.; YANISHEVSKIY, Yu.D.; SAMOYLENKO, V.S.; USMA-
NOV, R.F.; CHUBUKOV, L.A.; TROTSENKO, S.Ya.; VANGENGHEYM, G.Ya.;
SOKOLOV, I.F.; STYRO, B.I.; TEMNIKOVA, N.S.; ISAYEV, E.A.; DMITRIYEV,
A.A.; MALYUGIN, Ye.A.; LIENEMAA, Ye.K.; SAPOZHNIKOVA, S.A.; RAKIPO-
VA, L.R.; POKROVSKAYA, T.V.; BAGDASARYAN, A.B.; ORLOVA, V.V.; RU-
BINSHTEYN, Ye.S., professor; MILEVSKIY, V.Yu.; SHCHERBAKOVA, Ye.Ya.;
BOCHKOV, A.P.; ANAPOL'SKAYA, L.Ye.; DUNAYEVA, A.V.; UTESHEV, A.S.;
RUDNEVA, A.V.; RUDENKO, A.I.; ZOLOTAREV, M.A.; NERSESYAN, A.G.;
MIKHAYLOV, A.N.; GAVRILOV, V.A.; TSOMAYA, T.I.; DEVIATKOVA, A.M.;
ZAVARINA, M.V.; SHMETER, S.M.; BUDYKO, M.I., professor.

Discussion of the report (in the form of debates) [of the current
state climatological research and methods of developing it]. Inform.
sbor.GUGMS no.3/4:26-154 '54. (MIRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov). 2. Glavnaya
geofizicheskaya observatoriya im. A.I.Voeykova (for Predtechenskiy,
Lebedev, Yanishevskiy, Isayev, Rakipova, Pokrovskaya, Orlova, Rubin-
shteyn, Budyko, Shcherbakova, Anapol'skaya, Dunayeva, Rudneva, Gavrilov,
Zavarina). 3. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologiches-
kiy institut (for Buchinskiy).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor. GUGMS no.3/4:26-154 :54. (Card 2) (MIRA 8:3)

4. Vsesoyuznyy institut rastenievodstva (for Selyaninov, Rudenko).
5. Bioklimaticheskaya stantsiya Kislovodsk (for Boshko).
6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Alisov).
7. Ministerstvo putey soobshcheniya SSSR (for Biryukov).
8. Institut geografii Akademii nauk SSSR (for Gal'tsov, Grigor'yev).
9. Geofizicheskaya komissiya Vsesoyuznogo geograficheskogo obshchestva (for Eygensov).
10. Ministerstvo elektrostantsiy i elektropromyshlennosti SSSR (for Muretov).
11. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova (for Khromov).
12. Tsentral'nyy nauchno-issledovatel'skiy gidrometeorologicheskiiy arkhiv (for Sokolov, Zolotarev).
13. Gosudarstvennyy okeanograficheskiiy institut (for Samoylenko).
14. Tsentral'nyy institut prognozov (for Usmanov, Sapozhnikova).
15. Institut geografii Akademii nauk SSSR i Tsentral'nyy institut kurortologii (for Chubukov).
16. Nauchno-issledovatel'skiy institut imeni Sechenova, Yalta (for Trotsenko).
17. Arkticheskiiy nauchno-issledovatel'skiy institut (for Vangengeym).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state of climatological research and methods of developing it].
Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 3) (MIRA 8:3)

18. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Sokolov). 19. Institut geologii i geografii Akademii nauk Litovskoy SSR (for Styro). 20. Rostovskoe upravlenie gidrometsluzhby (for Temnikova). 21. Morskoy gidrofizicheskiy Institut Akademii nauk SSSR (for Dmitriyev). 22. Vsesoyuznyy institut rasteniyevodstva (for Malyugin). 23. Akademiya nauk Estonskoy SSR (for Liedemaa). 24. Akademiya nauk Armyanskoy SSR (for Bagdasaryan). 25. Leningradskiy gidrometeorologicheskiy institut (for Milevskiy).
(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 4) (MLRA 8:3)

26. Gosudarstvennyy gidrologicheskiy institut (for Bochkov). 27. Kazakhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Uteshev). 28. Upravlenie gidrometsluzhby Armyanskoy SSR (for Nersesyan). 29. Leningradskoye upravleniye gidrometsluzhby (for Mikhaylov, Devyatkova). 30. Tbilisskiy gosudarstvennyy universitet (for Tsomaya). 31. Tsentral'naya aerologicheskaya observatoriya (for Shmeter).
(Climatology)

TARCHIEVSKIY, I. A.; GALEYEVA, S. G.; ZABOTIN, A. I.; ZUZIN, N. A.; NEUSTROYEVA, S. N.;
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1. Institute of Poliomyelitis and Viral Encephalitides,
U.S.S.R. Academy of Medical Sciences, Moscow.

SEYBUTIS, A. A.

SEYBUTIS, A. A. -- "The Interrelationship between the Structure of Swamps with Their Surrounding Territory and the Soil in Lake Highlands of Eastern Lithuania." Acad Sci Lithuanian SSR. Inst of Biology. Vil'nyus, 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

15-57-5-5937

Translation from: *Reforativnyy zhurnal, Geologiya*, 1957, Nr 5,
p 31 (USSR)

AUTHOR: Seybutis, A.

TITLE: The Interpretation of Pollen Diagrams (K voprosu ob
interpretatsii pyl'tsevykh diagramm--in Lithuanian)

PERIODICAL: Tr. AN LitSSR, 1956, Bulletin 2, pp 89-94.

ABSTRACT: The author presents the results of studies in several districts of the eastern part of Lithuania. A comparison of pollen diagrams from peat bogs in the region of the podsol-sand soils (Dukstas rayon .) and the region of the sandy loam soils (Shvenchenis rayon .) shows definite differences. In other cases variations were discovered in the pollen diagrams of two peat bogs which have different botanical content in the upper layers of the peat. From these relations the conclusion is drawn that, to reconstruct the post-glacial landscape, diagrams from "standard" peat bogs must be used.

Card 1/1

N. Ya. K.

The Geographical Yearbook, I (Cont.)

SOV/2485

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AVAILABLE: Library of Congress (G1.G3135)

Card 6/6

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SEIBUTIS, A.

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'62. (MIRA 18:3)

1. Institut geologii i geografii AN Litovskoy SSR.

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Inz stavby 10 no.7:265-269 JI '62.

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Vodni hosp 13 no.5:194 '63.

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PA 24/49T103

USSR/Nuclear Physics - Uranium Compounds Aug 48
Physics - Photoluminescence

"Prolonged Photoluminescence of Uranyl Compounds at
Temperatures of Minus 185° C," Z. M. Sverdlov, A. N.
Sevchenko, 4 pp

"Dok Ak Nauk SSSR" Vol LXI, No 5

Various crystals of uranyl salts were cooled to -185°
and illuminated by ultraviolet rays $\lambda = 366 \text{ m}\mu$ and
253.7 m μ of the mercury spectrum and the full light
of a high-voltage (10,000 V) condensed arc between
two iron electrodes. At $\lambda = 253.7 \text{ m}\mu$ the crystals
are photoluminescent 5-8 seconds, but at 366 m μ
there is practically no prolonged luminescence.

24/49T103

USSR/Nuclear Physics - Uranium Compounds Aug 48
(Contd)

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24/49T103

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SEYDAK, Wiktor, mgr.inz.; SZUBA, WIKTOR, mgr., inz.

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Gans Lebrekhtovich; SEYDAKHMATOV, O., otv. red.; LEVITUS,
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SEYDAKHMATOV, O.S.; SKRYNNIK, V.K.; TABALDYEV, R.D.,
kand. ekon. nauk, otv. red.

[Wage system on the collective beet farms of Kirghizistan;
using the example of the "Krasnyi Oktiabr'" Collective
Farm of Sokuluk District] Sistema oplaty truda v sveklo-
seishchikh kolkhozakh Kirgizii; na primere kolkhoza "Krasnyi
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[Labor productivity in the agriculture of Kirghizistan] Pro-
izvoditel'nost' truda v sel'skom khoziaiatve Kirgizii. Frunze,
Kirgizskoe gos. izd-vo, 1961. 88 p. (MIRA 14:11)
(Kirghizistan—Agriculture)

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L.A.; BALBAKOV, M.; LEVITUS, B.I., red.izd-va; ORUZBAYEVA,
A.U., kand. ekon. nauk, red.; ANOKHINA, M.G., tekhn. red.

[Distribution and specialization of agriculture in the
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Izd-vo Akad. nauk Kirg.SSR, 1962. 181 p. (MIRA 16:7)
(Frunze region--Agriculture)

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fil. Geog. ob-va SSSR no.3:45-55 '62. (MIRA 15:10)

(Kirghizistan—Agricultural geography)

BEKMAN, V.M.; SEYDALIN, O.A.

Origin time of the Karaganda trough. Izv.AN Kazakh.SSR. Ser.geol. no.5:
32-41 '62. (MIRA 15:12)

(Karaganda Basin—Geological time)

SEYDALIN, O.A.

Devonian stratigraphy of the Karaganda Basin. Izv. AN Kazakh.
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1. Kazakhskiy politekhnicheskii institut, Alma-Ata.

SEYDALINA, M. S.

Occurrences of petroleum in the Neogene of the Khodzhiabad
field. Trudy ~~MINKHIGP~~ no.27:249-255 '60. (MIRA 13:9)
(Fergana--Petroleum geology)

133-5-15/27
AUTHOR: Shevakin, Yu.F., Osada, Ya.E., Semenov, O.A., Candidates
of Technical Sciences, and Seydaliyev, F.S., Engineer.

TITLE: A rational profile of passes for cold rolling of tubes.
(Ratsional'nyy profil' ruch'ya kalibra dlya kholodnoy
prokatki trub)

PERIODICAL: "Stal'" (Steel), 1957, No.5, pp. 441 - 444 (U.S.S.R.)

ABSTRACT: The authors investigated various methods of design of roll passes for cold rolling of tubes. The investigations were carried out during the rolling of tubes from steels 10, 30X1CA and 1X18H9T. In order to determine the influence of methods of calculating the collar of the roll pass on the character of change of metal pressure on the rolls, the rolling of tubes was carried out on passes calculated by the Yuznotrubny Works (Yuzhnotrubby Zavod), Moscow Institute of Steel (Moskovsk Institut Stali) (2 modifications) and the Novotrubby Works - VNITI methods. The principles of the above methods are explained. It was established that the method proposed by the Moscow Institute of Steel is rational as it combines the most favourable steepness of collar with advantages offered by cold rolling of tubes on mandrels with a small angle of taper.

Card 1/2

SOV/37-59-2-4313

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 283 (USSR)

AUTHORS: Osada, Ya. Ye., Shevakin, Yu. F., Semenov, O. A., Seydaliyev, F. S., Rytikov, A. M.

TITLE: An Investigation of the Roll-separating Pressure as a Function of the Principal Parameters of the Process of Cold Rolling of Pipes (Issledovaniye zavisimosti davleniy metalla pri kholodnoy prokatke trub ot osnovnykh parametrov protsessa)

PERIODICAL: Byul. nauchno-tekhn. inform. Vses. n.-i. trubnyy in-t, 1958, Nr 4-5, pp 81-93

ABSTRACT: The measurements of the roll-separating pressure (RP) were accomplished with the aid of carbon-type gages, mounted within the wedge of the screw-down mechanism, and with the aid of wire resistance strain gages attached to a specially designed wedge in the screw-down mechanism. The following was established: 1) A change in the rate of feed m and in the total elongation μ_{Σ} significantly affects the RP; 2) in order to obtain constant rolling stresses during rolling of identical billets into pipes (P) exhibiting considerable variations in wall thickness, it is imperative that the operating conditions of the

Card 1/2

SOV/137-59-2-4313

An Investigation of the Roll-separating Pressure as a Function of the (cont.)

rolling mill (the value of the product $m \cdot \mu \Sigma$) be appropriately adjusted; in all other instances when the variations in the wall thickness of finished P's are insignificant, the rolling conditions may be regarded as constant; 3) in the case of the rolling mills KhPT 1-1/2" and KhPT 2-1/2", the RP increases by 31% and 16%, respectively, as the wall thickness of the billets is increased by 36%; 4) increasing the width of roll passes in the range where $D_x/B_x = 0.93 + 0.98$ results in a significant increase in RP; in designing roll passes, all measures should be taken to minimize the width of pass openings as far as possible; 5) increasing the diameter of the P, the dimensions of the billets and the values of the expression $m \cdot \mu \Sigma$ remaining constant, also leads to an increase in the RP.

Ye. T.

Card 2/2

SOV/133-59-3-20/32

AUTHORS: Shevakin, Yu.F., Candidate of Technical Sciences,
Osada, Ya.Ye., Candidate of Technical Sciences,
Gnezdilov, K.Ye., Engineer, Semenov, O.A., Candidate of
Technical Sciences, Seydaliyev, F.S., Zuyev, I.I. and
Yerokhov, N.K., Engineers, Naumenko, G.N., Drobot, S.T.
and Rumyantsev, N.G., Technicians

TITLE: An Increase in the Productivity of Cold-rolling Tube Mills
and in the Durability of the Mandrel (Povysheniye proiz-
voditel'nosti stanov kholodnoy prokatki trub i stoykosti
rabochego instrumenta)

PERIODICAL: Stal', 1959, Nr 3, pp 255 - 258 (USSR)

ABSTRACT: The use of a new roll-pass designing method for cold-
rolling tube mills developed by the Moscow Institute of
Steel (Ref 1) decreased the total pressure of metal on
rolls, increased the durability of the mandrel and the
output of the mills by 15-20%. The quality of tubes was
also improved by decreasing the conicity of the mandrel.
Roll-pass design data for rolling tubes on mills KhPT-32 mm
and 55 mm are given in Figure 1 and Table 1.
The characteristic feature is a decrease in the diameter
of semis at the beginning of the pass with subsequent

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SOV/133-59-3-20/32

An Increase in the Productivity of Cold-rolling Tube Mills and
in the Durability of the Mandrel

reduction of the wall on a mandrel of a low conicity.
There are 5 figures, 2 tables and 2 Soviet references.

ASSOCIATIONS: Yuzhnotrubnyy zavod (Yuzhnotrubnyy Works),
Moskovskiy institut stali (Moscow Steel Institute),
UkrNITI.

Card 2/2

SHADALOV, A., and G. M. Bel --(also) "Investigation of the process
of the cold rolling of pipes with specially thin rolls in roller mills,"
Moscow, 1960, 23 pp (Moscow Institute of Steel in I. V. Stalin) (IL, 30-00, 115)

S/148/60/000/009/014/025
A161/A030

AUTHORS: Shevakin, Yu.F., and Seydaliyev, F.S.

TITLE: Specific pressure of metal on rolls in cold rolling of pipes

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, no.9, 1960, 102-109

TEXT: The solution of the problem with the use of the differential equilibrium equation in combination with the plasticity equation is very complex. A method suggested by I.Ya.Tarnovskiy, A.A.Pozdeyev and N.N.Krasovskiy (Ref.1) simplifies the matter. The method is discussed and calculation formulae for practical use are suggested. The approximate solution with this method is based on the use of the principle of the least energy and the law of energy conservation. The latter law means that the work produced by external load equals the work of internal stresses and the external resistance forces on the contact surface:

$$A = A_{\text{ideal}} + A_{\text{resist}} \quad (1)$$

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A161/A030

Specific pressure of metal on rolls ...

Therefore, the method consists in evolving and solving integral equations combining the different kinds of work. The evolving of integral equations is considerably facilitated with given schematic diagrams (Fig.1); the difference from the real rolling process is that the rollers perform rotation only, and the mandrel progressive motion only. The deformation of metal on a cylindrical mandrel is analyzed (Fig.2) for the forward travel of the stand (Fig.3) and for the back travel (Fig.4). The equations (6a) and (8a) are evolved for rolling on cylindrical mandrel, though the real mandrels in pilger mills have a bevel of $\text{tg} \alpha = 0.005 - 0.003$. This difference practically does not affect the integral equation of energy balance, and the two equations are applicable for rolling on the conical mandrel as well. They are - for the forward stand travel

$$p_x = \frac{K}{n} \left\{ \left(\frac{t_0}{t_x} \right)^{\delta} \left[1 - \frac{1}{\delta} - \frac{t_0}{(d+t_0)(\delta+1)} \right] + \frac{1}{\delta} + \frac{t_x}{(d+t_x)(\delta+1)} \right\} \quad (6a)$$

and for the return stand travel

Card 2/9

Specific pressure of metal on rolls...

S/148/60/000/009/014/025
A161/A030

$$p_x = \frac{K}{n} \left\{ \left(\frac{t_x}{t} \right)^{\frac{1}{\sigma}} \left[1 + \frac{1}{\sigma} + \frac{t}{(d+t)(\sigma-1)} \right] - \frac{1}{\sigma} - \frac{t_x}{(d+t_x)(\sigma-1)} \right\} \quad (8a)$$

The formula for mean specific pressure can be obtained by integration of the equations (6a) and (8a) for the length of the deformation spot:

$$p_{\text{mean}} = \frac{\int_0^l p_x dx}{l}$$

For practical calculations, the following formulae are recommended: for the forward stand travel

$$p_{\text{mean}} = \frac{K}{n} \cdot \frac{t}{\sigma \cdot \Delta t} \left[\left(\frac{t_0}{t} \right)^{\frac{1}{\sigma}} - 1 \right]; \quad (6c) \checkmark$$

Card 3/9

Specific pressure of metal on rolls...

S/148/60/000/009/014/025
A161/A030

for the return stand travel

$$p_{\text{mean}} = \frac{K}{n(\varepsilon^2 - 1) \Delta t} \left\{ \left[\left(\frac{t_0}{t} \right)^\delta t_0 - t \right] \frac{\delta^2}{\delta^2 - 1} - 2\Delta t + d \ln \frac{d+t_0}{d+t} \right\} \quad (8c)$$

and more rough approximations

$$p_{\text{mean}} = \frac{K t_0 \delta^2}{n(\varepsilon^2 - 1)^2 \Delta t} \left[\left(\frac{t_0}{t} \right)^\delta - 1 \right] \quad (8d)$$

Apart from the assumptions made in the course of calculations, the following have been used: the hypothesis of flat cross sections, the law of dry friction, equality of specific pressures acting on the roller and on the mandrel, and absence of strengthening on the length of momentary deformation

Card 4/9

Specific pressure of metal on rolls...

S/148/60/000/009/014/025
A161/A030

spot. All these assumptions do not unduly affect the accuracy of results. Data calculated with the suggested formulae are compared with experimental data in 5 tables: The effect of the external friction coefficient on specific pressure, in 1X18H9T (1Kh18N9T) steel (Table 1); The effect of non uniform deformation on the pipe perimeter (Table 2); The effect of the work roller's radius and compression in the momentary deformation spot on mean specific pressure (in "10" steel), (Table 3); The effect of the radius of the driving roller gear on specific pressure, in forward travel (1Kh18N9T steel) (Table 4); The effect of compression (feed) on the mean specific pressure value (Table 5). The calculated and the experimental data matched. The conclusion is made that the formulae evolved with the subject method correctly reflect the correlation between the various process parameters. There are 4 figures, 5 tables and 4 Soviet-bloc references.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

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SHIVAKIN, Yu.F., kand. tekhn. nauk; S. YDALIYAN, F.S., inzh.

Effect of mill kinematics in the cold rolling of pipe on the forces exerted in rolling. Stal' 20 no. 6: 537-538 Jo '60. (MIRA 14:2)

1. Moskovskiy institut stali.
(Rolling (Metalwork))

(Machinery, Kinematics of)

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AUTHORS: Shevakin, Yu. F., and Seydaliyev, F. S.

TITLE: External friction and technological lubrication in cold tube rolling

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, no. 1, 1961, 105 - 111

TEXT: Results are presented of an experimental investigation of the effect of lubricants in rolling processes on pilger mills. The investigations were carried out during rolling on a two-high 150 mill, drawing on a vertical press, and cold rolling on XHT (KhPT) mills. The tube material was 1x1849T (1Kh18N9T) and "10" steel. Wire pickups were used to measure the deformation stresses. The amplified pickup indications were recorded with a MPO-2 (MPO-2) oscillograph. It was found that lubricating materials had different effects on mandrels with different surface finish. For instance, a mixture of machine oil with silvery graphite used on a sand-blasted mandrel made rolling impossible because of tube metal sticking to the mandrel. The following lubricants were tested: machine oil, castor oil,



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